



# SAFETY DATA SHEET

according Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP)  
and Commission Regulation EU No. 2015/830

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product name:

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Registration number:

not required, the product is a mixture, not a compound

Other means of identification:

not set

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:

cleaner for industrial purposes  
*only for industrial or professional use*

Uses advised against:

not set

### 1.3 Details of the supplier of the safety data sheet

Distributor:

MAK CHEM International Ltd  
Ground Floor, The Old Brewery  
2 Brewery Court  
High Street  
Theale RG7 5AH  
United Kingdom  
Tel: +44 (0) 7464 325169 / Email: [sales@mak-global.org](mailto:sales@mak-global.org)

Competent person responsible for the Safety Data Sheet: Gustav Vigato, Academical Team s.r.o.; Náměstí Přátelství 1518/2; 102 00, Praha - Hostivař;

### 1.4 Emergency telephone number

Toxicology Information Centre, Na Bojišti 1, Praha; Czech Republic; 24-h non-stop: +420-224919293 / +420-224915402.  
Information only on health risks: acute intoxications of people / animals.

## SECTION 2: HAZARDS IDENTIFICATION

**General classification of the mixture: the mixture is classified as hazardous in compliance with Regulation (EC) No. 1272/2008 (CLP).**

Important health effects:

Concentrated mixture is corrosive. Direct contact with eyes may cause serious eye damage. Causes severe skin burns. Even after dilution, prolonged or repeated skin contact may cause removal of natural fat from the skin resulting and mild irritation and dryness. Direct contact of diluted product with eyes may cause eye irritation. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea and other gastrointestinal problems.

Important environmental effects:

The mixture is not classified as hazardous for the environment. However, because of the high pH, large amount of the product may affect pH of aquatic environment (alkalisation). Concentrated mixture may cause burns in animals / aquatic organisms. When sufficiently diluted / neutralized, no adverse effects in the environment are expected.

### 2.1 Classification of the substance or mixture

Classification (1272/2008/EC)

Skin Corr. 1B      Skin corrosion/irritation, category 1B  
H314                      Causes severe skin burns and eye damage.

### 2.2 Label elements

Contains:

sodium hydroxide


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Hazard pictograms:					
Signal word:	<b>DANGER</b>				
Hazard statements:	H314 Causes severe skin burns and eye damage.				
Supplemental hazard information:	not required				
Supplemental label elements for certain mixtures:	not required				
Precautionary statements:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER/doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container to the hazardous waste collection point.				
<b>Other required labeling:</b>	<u>Regulation (EC) No 648/2004 on detergents</u> non-ionic surfactants < 5 % cationic surfactants < 5 %				

**2.3 Other hazards**  
 Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; the substances in the mixture are not included in the Candidate List of SVHC.  
 Contaminated surfaces may be slippery

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**  
 does not apply

**3.2 Mixtures**  
 Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List:

Substance <i>REACH Registration number</i>	Content (% w/w)	EC Number CAS Number Index Number	Classification 1272/2008/EC*	Exposure limits
Sodium hydroxide <i>REACH No. 01-2119457892-27-xxxx</i>	2 - 2.5	215-185-5 1310-73-2 011-002-00-6	Skin Corr. 1A H314	Exp. Lim. national see 8.1
Alcohols C9-11, ethoxylated <i>REACH No. 01-2119980051-45-xxxx</i>	1 - 2.5	614-482-0 68439-46-3 -	Eye Dam. 1 H318	-
Silicic acid, sodium salt <i>REACH 01-2119448725-31-xxxx</i>	1 - 2.5	215-687-4 1344-09-8 -	Skin Irrit. 2 Eye Irrit. 2 H315 H319	Exp. Lim. national see 8.1



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Quaternair cocoalkyl ethoxylate <i>REACH No. not available yet</i>	< 1	270-115-0 68411-30-3 -	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 1	H302 H315 H318 H400	-
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\* For full wording of used classification abbreviations and Hazard Statements (H-phrases) see Section 16.

## Specific concentration limits according to 1272/2008 Annex VI Tab. 3.1

*sodium hydroxide*

C ≥ 5 %	Skin Corr. 1A; H314
2 % ≤ C < 5 %	Skin Corr. 1B; H314
0,5 % ≤ C < 2 %	Skin Irrit. 2; H315
0,5 % ≤ C < 2 %	Eye Irrit. 2; H319

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Health hazard is minimal; the product is not irritating, corrosive, volatile nor toxic. Effects of over exposure: There are no hazards under normal use conditions. Observe all user considerations and safety measures stated on the packaging. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons.

**Inhalation:** Inhalation of vapours is not expected to cause any adverse effects. In case of individual problems following the aerosols inhalation, remove the affected persons to a fresh air. Administer oxygen or artificial respiration if there is difficulty breathing; until medical attendance. Seek medical advice if the symptoms persist.

**Skin contact:** Remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Use appropriate reparative cream / ointment. Seek medical advice if the skin irritation persists.

**Eye contact:** Remove contact lenses if present. Keep eyelids open and rinse immediately and repeatedly with copious amount of water for at least 10 - 15 minutes. The rinsing should be done from the inner corner of the eye to the outer corner. Pay attention not to stain the other eye. **Do not neutralize!** In all cases - immediately seek specialized medical advice (ophthalmologist).

**Ingestion:** Wash mouth with water; give some water to drink (only if the affected person is conscious). **Do not induce vomiting!** In case of spontaneous vomiting avoid aspiration of the vomits. Get medical attention immediately and show this Safety Data Sheet, product package or label!

### 4.2 Most important symptoms and effects, both acute and delayed

Concentrated mixture is corrosive. Direct contact with eyes may cause serious eye damage. Causes severe skin burns. Even after dilution, prolonged or repeated skin contact may cause removal of natural fat from the skin resulting and mild irritation and dryness. Direct contact of diluted product with eyes may cause eye irritation. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea and other gastrointestinal problems. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients.

### 4.3 Indication of any immediate medical attention and special treatment needed

No specific therapy known. Use supporting and symptomatic treatment. Be careful when the affected person is vomiting and during gastric lavage. Use of antifoaming agents (e.g. simethicon) can be useful.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: water spray, foam, dry-powder, carbon dioxide

Unsuitable extinguishing media: direct water stream

### 5.2 Special hazards arising from the substance or mixture

Non-flammable - water solution. Upon water evaporation - incomplete combustion and high-temp thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition).



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## 5.3 Advice for fire-fighters

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Observe all user considerations and safety measures. Avoid contact with skin, eyes and mucous membranes. See Section 8.2 for advice on the minimum requirements for personal protective equipment (protective goggles, clothes, gloves etc.). All unprotected persons should be restrained. All unprotected persons should be restrained. Ensure adequate ventilation in closed areas. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

### 6.2 Environmental precautions

Stop leak if you can do so without risk. Confine the spill immediately with booms. Avoid entering soil, surface- and ground-waters, drains, cellars or other closed rooms. In case of serious leakage inform appropriate authorities.

### 6.3 Methods and materials for containment and cleaning up

Soak up the rests with inert absorbent material (sand, diatomite, kaolin, vapex...) and collect to appropriate containers with lids. All containers with waste should be appropriately labeled. Contaminated absorbent material represents same risks as original product. Dispose according to valid legislation; send to dangerous wastes treatment facility. Clean up affected areas with large amount of water.

### 6.4 Reference to other sections

Adhere to instructions in the section 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and mucous membranes. Adhere to all personal protection and work safety regulations. See Section 8.2 for advice on the minimum requirements for personal protective equipment (protective goggles, clothes, gloves etc.). Observe all user considerations, safety measures and exposure limits. Do not eat, drink or smoke when manipulating with the product. For continuous work (e.g. packaging) ensure adequate ventilation. Manipulate carefully to avoid accidental leaks. Avoid mixing with strong acids - contact with strong acids may cause violent reaction.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in original tightly closed packages. Store in dry, banded spaces, protected from weather. Storage rooms should be equipped with adequate ventilation on the floor level. Keep away from direct sunlight a heat sources. Protect from freezing. Recommended storage temperatures: +5°C to +35°C. Keep out of the reach of children. Observe all requirements for fire protection. Keep away from strong acids and oxidative compounds. Keep away from food, beverages and animal forage. Store locked up.

### 7.3 Specific end uses

industrial cleaner



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Exposure limits (Czech Republic, Government Regulation No. 361/2007 Coll.):

CAS	Substance name	NPEL
1310-73-2	Sodium hydroxide*	Czech republic (361/2007 Coll.) PEL (8 h): 1 mg.m <sup>-3</sup> NPEL-P (15 min): 2 mg.m <sup>-3</sup> <i>Note 1: causes mucosa (eyes, airways) or skin irritation</i>
1344-09-8	Silicic acid, sodium salt <i>as: other silicates</i>	Czech republic (361/2007 Coll.) PELr (respirable fraction): Fr ≤ 5 %: 2 mg.m <sup>-3</sup> Fr ≥ 5 %: 10 mg.m <sup>-3</sup> PELc (total concentration): 10 mg.m <sup>-3</sup>

\* because of neutralization and physical status - liquid - the exposure is not expected

Indicative occupational exposure limit ES (2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC and Directive 2017/164/EC): not set

CAS	Substance name	OEL
-	-	-

Other recommended values: not set

CAS	Substance name	OEL - equivalents
-	-	-

Indicative biological limits: not set

DNEL: not set for the mixture. Compounds:

DNEL for CAS 1310-73-2: sodium hydroxide

Professional users / workers:	
Inhalation, long-term, local effects	1 mg/m <sup>3</sup>

PNEC: not set for the mixture.

### 8.2 Exposure controls

#### Appropriate engineering controls:

Avoid contact with skin, eyes and mucous membranes. Ensure adequate ventilation. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

#### Individual protection measures, such as personal protective equipment:

##### a) Eye / face protection

Avoid contact of concentrated mixture with eyes. If contact is likely, safety glasses with side shields are recommended (EN 166).

##### b) Skin protection:

For long-time work with the risk of direct contact chemical -(hydroxide)-resistant protective gloves are recommended. CEN standards EN 420 and EN 374 provide general requirements and lists of glove types. Recommended material: rubber, PVC, PVA. Short-term contact: protection index 3, breakthrough time min. 60 min.. Do not wear rings, watches or other items that should retain the mixture on the skin. Because of the lack of specific



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tests, the breakthrough time should be twice the expected contact time. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions.

Note: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Inspect and immediately replace worn or damaged gloves.

**c) Respiratory protection:**

Not usually required under appropriate ventilation or exhaustion at the workplace. Do not inhale aerosols. Ensure appropriate ventilation or exhaustion at the workplace. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: half-face filter respirator, type P2 filter (European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 (STN EN 14387+A1) provide filter recommendations).

**d) Thermal hazards:**

No such risk when normally used.

Environmental exposure controls:

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. All storage and manipulation areas have to be equipped for the sanitation of possible leakage. See information in sections 6 and 12.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Properties	value	method / condition
Appearance:	liquid	20°C
Colour:	yellow	-
Odour:	without odour	-
Odour threshold:	information not available	-
pH:	13.5	concentrate
Melting point/freezing point:	information not available	-
Initial boiling point and boiling range:	> 100°C	-
Flash point:	information not available	-
Evaporation rate:	information not available	-
Flammability (solid, gas)	information not available	-
Upper/lower flammability or explosive limits:	information not available	-
Vapour pressure:	information not available	-
Vapour density:	> 1	relative, air = 1
Relative density:	1.09 g/cm <sup>3</sup>	-
Solubility/ies:	good soluble in water	water, 20°C
Partition coefficient: n-octanol/water:	< 3	-
Auto-ignition temperature:	information not available	-
Decomposition temperature:	information not available	-
Viscosity:	information not available	-
Explosive properties:	not explosive	-



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	Oxidising properties:	no oxidative properties	-
<b>9.2</b>	<b>Other information</b>		
	-	-	-

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1</b>	<b>Reactivity</b> The mixture is not reactive under normal conditions of storage and use.
<b>10.2</b>	<b>Chemical stability</b> Mixture is chemically stable under normal conditions of storage and use. Overheating may cause thermal decomposition.
<b>10.3</b>	<b>Possibility of hazardous reactions</b> Violent reactions with strong acids.
<b>10.4</b>	<b>Conditions to avoid</b> Stable under normal conditions. Keep away from direct sunlight and heat sources. Protect from freezing.
<b>10.5</b>	<b>Incompatible materials</b> Strong oxidative compounds, acids and alkalis.
<b>10.6</b>	<b>Hazardous decomposition products</b> Material does not decompose at ambient temperatures. If fire is involved: upon water evaporation - incomplete combustion and high-temp thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition).

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b> The mixture was not toxicologically tested; classification is based on the conventional calculation method. Information on toxic effects is based on the effects of compounds.
a)	<i>Acute toxicity</i> Based on available data, the classification criteria are not met. No toxicology data for the mixture.  Toxic effects are caused by corrosive properties of the mixture: Swallowing may cause mucosal irritation and even perforation of gastrointestinal tract. Swallowing of even small amounts may lead to stomachache, vomiting or diarrhea and other gastrointestinal problems.  No toxicology data for the mixture.
b)	<i>Skin corrosion/irritation</i> Causes severe skin burns. Prolonged or repeated skin contact with diluted product may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).
c)	<i>Serious eye damage/irritation</i> Causes serious eye damage. Direct contact with diluted product may cause temporarily eye irritation.
d)	<i>Respiratory or skin sensitization</i> Based on available data, the classification criteria are not met. Compounds have no known sensitizing potential.
e)	<i>Germ cell mutagenicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for mutagenicity.
f)	<i>Carcinogenicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for carcinogenicity.
g)	<i>Reproductive toxicity</i> Based on available data, the classification criteria are not met. Compounds have no potential for reproductive toxicity.
h)	<i>STOT-single exposure</i> Based on available data, the classification criteria are not met.



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- i) *STOT-repeated exposure*  
Based on available data, the classification criteria are not met. Not expected to cause specific damage from prolonged or repeated exposure.
- j) *Aspiration hazard*  
Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**  
The mixture was not ecotoxicologically tested; classification is based on conventional calculation method. Information on ecotoxic effects is based on the effects of compounds. Based on composition, no adverse effects in the environment are expected for the mixture; therefore the mixture is not considered as dangerous for the environment.  
  
However, because of the high pH, large amount of the product may affect pH of aquatic environment (alkalisation). Concentrated mixture may cause burns in animals / aquatic organisms. When sufficiently diluted / neutralized, no adverse effects in the environment are expected.  
  
CAS 1310-73-2: Sodium hydroxide  
LC<sub>50</sub>, fish, *Poecilia reticulata*, 24 h: 145 mg/l  
EC<sub>50</sub>, microorganisms, *Photobacterium phosphoreum*, 15 min: 22 mg/l
- 12.2 Persistence and degradability**  
Information for the mixture not available. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- 12.3 Bioaccumulative potential**  
No data for the mixture. Based on composition, bioaccumulation is not expected.
- 12.4 Mobility in soil**  
No data for the mixture. Soluble in water (unlimited).
- 12.5 Results of PBT and vPvB assessment**  
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; the substances in the mixture are not included in the Candidate List of SVHC
- 12.6 Other adverse effects**  
Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**  
Dispose according to valid legislation; send to approved wastes treatment facility. Dispose in accordance with the valid European and national waste legislation. Avoid entering soil, drains, surface- and ground-waters. Product and packages should be disposed in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.  
  
Substance or mixture disposal methods:  
Dispose in accordance with the valid waste legislation. Do not dispose as a common household waste. Dispose in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.  
  
Proposed waste classification, based on common use:  
07 WASTES FROM ORGANIC CHEMICAL PROCESSES  
07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics  
Waste type name: aqueous washing liquids and mother liquors  
Waste catalog code: 07 06 01  
Hazardous waste: yes



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Contaminated packages disposal methods:

Dispose in accordance with the valid waste legislation. Empty packages wash with water and recycle.

Proposed waste classification, based on common use:

15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 packaging (including separately collected municipal packaging waste)

Waste type name: paper and card board packaging / plastic packaging / metal packaging

Waste catalog code for empty package: 15 01 01 / 15 01 02

Hazardous waste: no

## SECTION 14: TRANSPORT INFORMATION

**The mixture is classified as dangerous for transport according to ADR/RID/IMDG/ICAO/IATA.**

**14.1 UN Number:** UN 1719

**14.2 UN proper shipping name**

<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
CAUSTIC ALKALI LIQUID,N.O.S.	CAUSTIC ALKALI LIQUID,N.O.S.	CAUSTIC ALKALI LIQUID,N.O.S.	CAUSTIC ALKALI LIQUID,N.O.S.

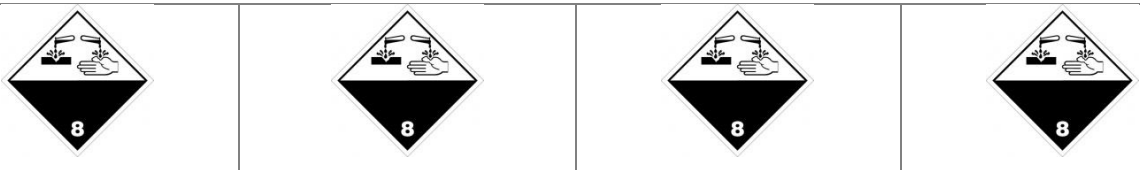
**14.3 Transport hazard class(es)**

<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
8	8	8	8
Classification code			
C5	C5	C5	C5

**Hazard identification number (Kemler)**

80	80	-	-
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**Labels**



**Other remarks**

Limited and quantities: E1 (5 l) Tunnel restriction: E Transport category: 3 Special provisions: P001, IBC03, R001	Limited and quantities: E1 (5 l) Tunnel restriction: E Transport category: 3 Special provisions: P001, IBC03, R001	Marine pollutant: No	-
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**14.4 Packing group**

<i>Road transport ADR</i>	<i>Rail transport RID</i>	<i>International maritime transport IMDG</i>	<i>Air transport ICAO/IATA</i>
III	III	III	III

**14.5 Environmental hazards:** no

**14.6 Special precautions for user:** not required

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** not transported



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## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Relevant legislation European Union:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation EC No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
- Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
- Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
- Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC
- European Waste Catalogue
- Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations
- Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products Text with EEA relevance

### Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

<i>Designation of the substance, of the group of substances or of the mixture</i>	<i>Conditions of restriction</i>
Sodium hydroxide <i>REACH No. 01-2119457892-27-xxxx</i>	Regulation EC 1907/2006, Annex XVII, Article 3
Alcohols C9-11, ethoxylated <i>REACH No. 01-2119980051-45-xxxx</i>	Regulation EC 1907/2006, Annex XVII, Article 3
Silicic acid, sodium salt <i>REACH 01-2119448725-31-xxxx</i>	Regulation EC 1907/2006, Annex XVII, Article 3
Quaternair cocoalkyl ethoxylate <i>REACH No. not available yet</i>	Regulation EC 1907/2006, Annex XVII, Article 3

### 15.2 Chemical safety assessment

Chemical safety assessment not carried yet

## SECTION 16: OTHER INFORMATION

- a) *Changes made to the previous version of the safety data sheet*  
Not applicable, first edition - version 1.0

#### *Key or legend to abbreviations and acronyms used in the safety data sheet*

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion/irritation, category 1A
Skin Corr. 1B	Skin corrosion/irritation, category 1B
Skin Irrit. 2	Skin corrosion/irritation, category 2
Eye Dam. 1	Serious eye damage/eye irritation, category 1
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Aquatic Acute 1	Hazardous to the aquatic environment, category 1



# SAFETY DATA SHEET

according Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP)  
and Commission Regulation EU No. 2015/830

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<p>Exp. lim. NPEL PEL NPEL-P OEL ACGIH PBT vPvB VOC DNEL PNEC LD50 LC50 EC50 IC50 ADR RID IMDG ICAO IATA</p>	<p>Exposure limit The highest permissible exposure limit (<i>Slovak Republic</i>) Permissible exposure limit (short-term) (<i>Czech Republic</i>) The highest permissible exposure limit (long-term) (<i>Czech Republic</i>) Occupational exposure limit American Conference of Industrial Hygienists Substances persistent, bioaccumulative and toxic Substances very persistent and very bioaccumulative Volatile organic compound Derived No Effect Level Predicted No Effect Concentration Median lethal Dose Median lethal concentration Half maximal effective concentration Half maximal inhibitory concentration European Agreement concerning the International Carriage of Dangerous Goods by Road International Rule for Transport of Dangerous Substances by Railway International Maritime Dangerous Goods Code International Civil Aviation Organization International Air Transport Association</p>
c)	<p><i>Key literature references and sources for data</i> Original composition from the manufacturer and Safety data sheets of used compounds.</p>
d)	<p><i>Methods of evaluating information used for the purpose of classification</i> The mixture was classified by expert judgment and conventional calculations methods in accordance with the Regulation EC No. 1272/2008 (CLP).</p>
e)	<p><i>Full wording of used Hazard Statements (H-phrases)</i> H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.</p>
f)	<p><i>Advice on any training appropriate for workers</i> Not applicable for consumer. Before handling, storing or using the present substance for the first time, employees must be informed - common occupational safety training. SAFETY DATA SHEET should always be available at hand.</p>
g)	<p><i>Other information</i> This Safety Data Sheet is compiled in accordance with the Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830; and contains information on safety use, occupational health protection, and environmental protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. This particular information applies on the product as supplied and may not be valid in mixtures with other substances. If used for other purposes as identified in this SDS, the distributor is not liable for any damage.  The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.</p>